(If Applicable)



RCRA INSPECTION REPORT - INTERIM STATUS STANDARDS TREATMENT, STORAGE, AND DISPOSAL FACILITIES Form A - General Facility Standards

I. General Information:

	· · ·
(A)	Facility Name: MONSANTO/W.G.KRummRich PINT
(B)	Street: Rout 23
(C)	(ity: <u>Sanget</u> (D) State: <u>I</u> (E) Zip Code: 6220/
(F)	Phone: 618/271-5835 (G) County: 54. Clair
	Operator: Monsanto Company
(I)	Street: Route3
(J)	(ity: Sauget (K) State: II. (L) Zip Code 6220/
(M)	Fhone: 618/271-5835 (N) County: 54. Clair
(0)	Owner: Monte 3 Street: Route 3
	City: Sauget (R) State: T1. (S) Zip Code: 6220/
	Phone: 618/271-5835 (U) County: 51. Clair
(V)	Date of Inspection: $\frac{7}{27/83}$ (W) Time of Inspection (From) $\frac{9.00A}{1.00}$ (To) $\frac{11.33A}{1.00}$
(X)	Weather Conditions: ~850 / Sunny
T .	ISSECTION READ
^	ISPECTION Report

Consisted of pages 1-12, 16-20 = 62127

EPA Region 5 Records Ctr.

4.43												
· (Y)	Person(s) Interviewed	Title		Telephone ,								
	Andy Quick	Moderna	VIRONMENTAL SPECIAL	ist 618/271-5835								
	DONT. MAYER	Monsouto/E.	mzeczy lespose	611/271-5832								
(Z)	Inspection Participants		cy/Title	Telephone								
	Andy Quick	Man	Exalto /EN.Sp.	618/271-5835								
	O.P. EVANS		PALEPS	618/345-4606								
(AA)	Preparer Information			 								
(/0//			/ * • • • •	~ • •								
	Name D. P. Evals	Agenc 12	PA)EPS	618/345-4606								
	•			•								
	•	II. SITE ACT	IVITY:									
			•									
	Complete sections I through VII for all treatment, storage, and/or disposal facilities. Complete the forms (in parenthesis) in section VIII corresponding to the site activities identified below:											
	•											
<u>✓</u> A.	Containers (I)	<u>√</u> D.	<pre>Incineration and/or (0 and P)</pre>	Thermal Treatment								
	<pre>Tanks (J) 3. Surface Impoundments (k Waste Piles (L)</pre>	∠E.	Chemical, Physical,	and Biological								
B.	Land Treatment (M)		Treatment (Q)									
c.	Landfills (N)											

Note: If facility is also a generator or transporter of hazardous waste complete sections IX and X of this form as appropriate.

			Yes	No	NI*	Rema r k
(A)		s the Regional Administrator en notified regarding:				
	1.	Receipt of hazardous waste from a foreign source?		<u>/</u>		· · · · · · · · · · · · · · · · · · ·
	2.	Facility expansion?	<u> </u>		 .	FACILITY ASSIBLE EXPANDING IN REGARDS to the Addition of on incidence
(B)	Gen	neral Waste Analysis:	-	-		Addition of an incident
	1.	Has the owner or operator obtained a detailed chemical and physical analysis of the waste?	<u>/</u> .	·		
	2.	Does the owner or operator have a detailed waste analysis plan on file at the facility?	\checkmark			
	3.	Does the waste analysis plan specify procedures for inspection and analysis of each movement of hazardous waste from off-site?	_			
(c)	Secu	urity - Do security measures include (if applicable)	e:			
	1.	24-Hour surveillance?			·	
	2.	Artificial or natural barrier around facility?	<u> </u>			
	3.	Controlled entry?				<u> </u>
		Danger sign(s) at entrance?	✓.		· ·	· · · · · · · · · · · · · · · · · · ·
D)	Do O Incl	wner or Operator Inspections ude:				
•	1.	Records of malfunctions?	<u>J</u>			
	2.	Records of operator error?	<u>J</u> , _	·		
	3.	Records of discharges?	\checkmark			

112	GENERAL	FACILITY	STANDARDS	- antinued
	,			

			Yes	No	NI*	Remarks
	4.	Inspection schedule?	<u> </u>		***	************
	5.	Safety, emergency equipment?	1			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	6.	Security devices?	1			******
	7.	Operating and structural devices?	1	***	***	********
	8.	Inspection log?	کد۔		•	***************************************
(E)		personnel training records				
	٦.	Job titles?	<u>√</u>		-7	Collected Sides
	2.	Job descriptions? .	<u> </u>		;	previous idspection
	3.	Description of training?	✓.		}	of 3/27/81
	4.	Records of training?	1			
	5.	Have facility personnel received required training by 5-19-81?	<u>/</u>			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	6.	Do new personnel receive required training within six months?	<u>/</u>	<u></u>	/	*****
(F)	requ	required are the following special uirements for ignitable, reactive, or ompatible wastes addressed?		l		
	1.	Special handling?				,
	2.	No smoking signs?		<u>_</u>	-	No Smoking Albused in April
	Э.	Separation and protection from ignition sources?	J			1

^{*}Not Inspected

IV. PREPAREDNESS AND PREVENTION: (Part 265 Subpart C)

(A)		aintenance and Operation F Facility:	Yes	No	NI*	Remarks
		Is there any evidence of fire, explosion, or release of hazardous waste or hazardous waste constituent?		<u>/</u>		
(B)		required, does the facility ve the following equipment:	-			en e anna an a
	1.	Internal communications or alarm systems?	<u> </u>			<u></u>
	2.	Telephone or 2-way radios at the scene of operations?	\checkmark			
		Portable fire extinguishers, fire control, spill control equipment and decontamination equipment?	<u>/</u>		_a.h	morsonly operates its Fire Dept-SEVERAL
		dicate the volume of water and/or foam				
(C)		ting and Maintenance of rgency Equipment:				
	1.	Has the owner or operator established testing and maintenance procedures for emergency equipment?	<u> </u>	·		TESTED DEPOT ON A
	2.	Is emergency equipment maintained in operable conditions?	<u>√</u> .			gureteely basis.
(D)	imme	owner or operator provided ediate access to internal rms? (if needed)	<u> </u>	· ·	- 	

(-)		r unobstructed movement?	$\underline{\mathcal{L}}$			
		V. CONTINGENCY PLAN (Part 26				OCEDURES:
(A)		es the Contingency Plan contain the llowing information:	Yes	No	NI*	Remarks
	1.	The actions facility personnel must take to comply with §265.51 and 265.56 in response to fires, explosions, or any unplanned release of hazardous waste? (If the owner has a Spill Prevention, Control, and Countermeasures (SPCC) Plan, he needs only to amend that plan to incorporate hazardous waste management provisions that are sufficient to comply with the requirements of this Part (as applicable.)	<u> </u>		•	
	2.	Arrangements agreed by local police departments, fire departments hospitals, contractors, and State and local emergency response teams to coordinate emergency services pursuant to §265.37?	<u>J</u>			Chelected Since las
	3.	Names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinators?	<u> </u>			17 265CL17
,		A list of all emergency equipment at the facility which includes the location and physical description of each item on the list and a brief outline of its capabilities?	<u> </u>			Collected Silce last inspection
•	5.	An evacuation plan for facility personnel where there is a possibilithat evacuation could be necessary? (This plan must describe signal(s) to be used to begin evacuation, evacuation routes, and alternate evacuation routes?)	ty <u>J</u>		·	TOST 1- Thecisa

		Yes No	NI*	Remarks
(B)	Are copies of the Contingency Plan available at site and local emergency organizations?	<u>/</u> _		
(C)	Emergency Coordinator			
	1. Is the facility Emergency Coordinator identified?	<u>J</u>	<u> </u>	
	2. Is coordinator familiar with all aspects of site operation and emergency procedures?	<u> </u>	·	
	3. Does the Emergency Coordinator have the authority to carry out the Contingency Plan?	1		
(D)	Emergency Procedures			
	If an emergency situation has occurred at this facility, has the Emergency Coordinator followed the emergency procedures listed in 265.56?	_ <u>\</u>	<u> </u> A	No Employeday has acculed to date to ender to ender plant the contingency plant
	VI. MANIFEST SYSTEM, RE (Part 265	CORDKEEPI Subpart	NG, AND	REPORTING
		Yes No	NI*	Remarks
(A)	Use of Manifest System			
	1. Does the facility follow the procedures listed in §265.71 for processing each manifest?	<u> </u>		
	2. Are records of past shipments retained for 3 years?	✓ —		
В)	Does the owner or operator meet requirements regarding manifest discrepancies?	<u>*</u>	MP	No discrepancies to

(C) Operating Record

1. Does the owner or operator

re	intain an operating cord as required in 5.73?	<u> </u>			
co	es the operating record ' - ntain the following formation:				
**b•	The method(s) and date(s) of each waste's treatment, storage, or disposal as required in Appendix I?		doesn't lexive haz Waste Fram off site		
c.	The location and quantity of each hazardous waste within the facility?	<u> </u>			
***d.	A map or diagram of each				

- cell or disposal area showing the location and quantity of each hazardous waste? (This information should be cross-referenced to specific manifest number, if waste was accompanied by a manifest.)
 - e. Records and results of all waste analyses, trial tests, monitoring data, and operator inspections?
 - f. Reports detailing all incidents that required implementation of the Contingency Plan?
 - g. All closure and post closure
 costs as applicable?
 (Effective 5-19-81)

/			
\checkmark			

MA Contingency plan has not been utilized to date

^{**} See page 33252 of the May 19, 1980, Federal Register.

^{***} Only applies to disposal facilities

VII. CLOSURE AND POST CLOSURE (Part 265 Subpart G)

			Yes	No	NI*	Remarks			
(A)	C	osure and Post Closure				•			
	1.	Is the facility closure - plan available for inspection by May 19, 1981?	<u> </u>						
-	2.	Has this plan been submitted to the Regional Administrator	1			has been submitted to			
	3.	Has closure begun?		<u> </u>		Region VI RATHER than			
	4.	Is closure estimate available by May 19, 1981?	\checkmark		: 				
(B)	Pos	st closure care and use of property							
	a r	the owner or operator supplied post closure monitoring plan? fective by May 19, 1981)				<u> </u>			
Facil	VIII. FACILITY STANDARDS (Part 265, Subparts I thru R) I USE AND MANAGEMENT OF CONTAINERS Facility Name: Manach UG. Kommach Date of Inspection: 127173								
			Yes		NI*	, t			
	1.	Are containers in good condition?	<u>/</u> .	_ 					
	2.	Are containers compatible with waste in them?	<u>/</u>						
	3.	Are containers stored closed?	· <u>J</u>						
	4.	Are containers managed to prevent leaks?			· 				
	5.	Are containers inspected weekly for leaks and defects?	<u> </u>		<u>.</u>				
		Are ignitable & reactive wastes stored at least 15 meters (50 feet) from the facility property line? (Indicate if waste is ignitable or reactive.)	1	—	· ·				

		Yes	No	NI*	Remarks	
7.	Are incompatible wastes stored in separate containers? (If not, the provisions of 40 CFR 265.17(b) apply.)	<u> </u>				· · · · · · · · · · · · · · · · · · ·
8.	Are containers of incompatible waste separated or protected from each other by physical barriers or sufficient distance?	1				
·		J TANKS				6 (7) (1 p),(1
acilit	y Name: Monsonto W.G. Keunne	ich	Date	of Ins	pection: 7/27/83	
1.	Are tanks used to store only those wastes which will not cause corrosi leakage or premature failure of the tank?					
2.	Do uncovered tanks have at least 60 cm (2 feet) of freeboard, or dikes or other containement structures?		^	الم	oll Clased tooks	
3.	Do continuous feed systems have a waste-feed cutoff?	∠ .				
4.	Are waste analyses done before the tanks are used to store a substantially different waste than before?	$\sqrt{}$				
5.	Are required daily and weekly inspections done?	<u>J</u>			- 	
6.	Are reactive & ignitable wastes in tanks protected or rendered non-reactive or non-ignitable? Indicate if waste is ignitable or reactive. (If waste is rendered non-reactive or non-ignitable, see treatment requirements.)	\leq				
7.	Are incompatible wastes stored in separate tanks? (If not, the provisions of 40 CFR 265.17(b) apply.)	<u> </u>				

8	Has the owner or operator observed the National Fire Protection Associations buffer zone requirements for tanks containing ignitable or reactive wastes?							
	Tank capacity:	gallons						
	Tank diameter:	feet						
	Distance of tank from property 1	ine Glastal Hon 51' feet						
		f NFPA's "Flammable and Combustible Liquids						
	SURFAC	K E IMPOUNDMENTS						
Facilit	y Name:	Date of Inspection:						
1.	Do surface impoundments have at least 60 cm (2 feet) of freeboard?							
2.	Do earthen dikes have protective covers?							
3.	Are waste analyses done when the impoundment is used to store a substantially different waste than before?							
4.	Is the freeboard level inspected at least daily?							
5.	Are the dikes inspected weekly for evidence of leaks or deterioration?							
6.	Are reactive & ignitable wastes rendered non-reactive or non-ignitable before storage in a surface impoundment? (If waste is rendered non-reactive or non-ignitable, see treatment requirements.)							
7.	Are incompatible wastes stored in different impoundments? (If not, the provisions of 40 CFR 265.17(b) apply.)							

WASTE PILES

Facility	Name: Monsantal Water	mari	sb	Date	of Inspection:	7/27/83
		Yes	No	NI*	Remarks	is placed an
1.	Are waste piles covered or protect from dispersal by wind?	ed 🗸		, 	Remarks Laste pile Description A 3 side: high side	7 29 70
2.	Is each in-coming movement of waste analyzed before being added to the waste pile?	~~~	مالم	. No	ZUASTE PILE	is utilized and gzs. from
3.	Are leachate, run-off, and run-on controlled as per the requirements of 265.258? (The effective date of this provision is Nov. 19, 1981.	.) <u>√</u>	***	p./.	1 Run-off is a Run through	allected and
4.	Are reactive & ignitable wastes rendered non-reactive or non-ignitable before storage in a pile? Indicate if waste is ignitable or reactive. (If waste is rendered non-reactive or non-ignitable, see	,	1	110	System a	•
	treatment requirements.) Are piles of reactive or ignitable waste protected from materials or conditions that might cause them to ignite or react?		\ \	(D)	Waste Call Waste pile* Reactive & ignitable	15 Non.
	Are incompatible wastes stored in different piles? (If not, the provisions of 40 CFR 265.17(b) apply.)	4-2-2 4	_ N	la .		
	Are piles of imcompatible waste protected by barriers or distance from other waste?	L -	1			

ć

O and P INCINERATION and THERMAL TREATMENT

(A)	Facil	ity Name:	6/W.C	3. K	Seun	meul	1	
(B)	Date (of Inspection: 7/27	13				-	
	19	INCHEROTOR NOT O UNLY IN POSSIBLE 1. DE	peloble. ploud eterminati	رم on o	f the	z fim i e ady Sta	te	- 1.01
Α.	Type of	unit (i.e., type of inci	nerator o	r th	ermal	treatm	ent):	
В.	Сотропе	nts and steady state cond	ition:			•		
			***	Was	this	compone	ent at SS prior	to adding waste
		Component		Yes	No .	NI*	Remarks	
1.								
2.								
3.								
4			-					
5.								
						_		
	•		II. Wast	e An	alysi	<u>s</u>	•	•
١. ا	Minimum	requirements, for wastes	not previ	ousl	y bur	ned/tre	ated.	
	1.	Required analyses; has a analysis been performed for the following?	n '	Yes	No	NI*	Remarks	- .
		a. Heating value	_				<u>-</u>	
		b. Halogen content	-			-		
		c. Sulfur content	_				-	

•	2. Has documented or written data been substituted for analysis of either:				
	a. Lead?				
	b. Mercury?				
В	List other parameters for which the wast steady state or determine the types of p Remarks any which you feel should be tes	ollutants	ed to ena which ma	ble owner or op y be emitted. Remarks	(Note in
	1.			Remarks	
	2.		····		es in Stanta of the Co
	3.				
	4.				=
	5.				
Α.	Are combustion/emission control instrument monitored at least every 15 minutes?	Yes No		Remarks	
В.	Is steady state maintained or corrections attempted?				
с.	Is stack plume observed at least hourly for normal color and opacity?				
D.	Did any stack observations made by owner or operator show a plume different than normal?**		· ·		· · · · · · · · · · · · · · · · · · ·
E.	If yes to D above, were corrections made to return emissions to normal appearance?**				• ·.
F.	Are the complete unit and associated equipment inspected daily for leaks, spills, and fugitive emissions?	p- 			
G.	Are emergency shutdown controls and system alarms checked daily for proper operation?		·		

^{*}Not Inspected **Specify in Remarks for what period of time this was checked.

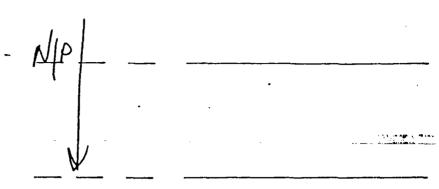
Yes No

NI*

A. Only complete this part if the facility open burns hazardous waste.

Does this facility burn only waste explosives? (A No answer means other hazardous waste is openburned.)

2. If this facility openburns waste explosives, does it burn the waste at a distance greater than or equal to the minimum specified distance (below)



Remarks

Minimum distance from open burning or detonation to the property of others						
		• •				
30 m 1,	730	ft				
(8	urning or property 04 m 80 m l, 30 m l,	urning or detor property of ot 04 m 670 80 m 1,250 30 m 1,730				

0

CHEMICAL, PHYSICAL and BIOLOGICAL TREATMENT

Facility Name: Monsantol W. G. Krummerh

Date of Inspection: 1127/83

Yes No NI*.

- 1. Is equipment used to treat only those wastes which will not cause leakage, corrosion, or premature failure?
- 2. Is a continuously fed system equipped with a means of hazardous waste inflow stoppage or control (e.g., cut-off system?)

<u></u>	

<u>J</u> __ _

Remarks

		Yes	No	NI*	Remarks	
3.	Has the owner or operator addressed the waste analysis requirements of 265.402?	$\underline{\mathcal{J}}$				
4.	Are inspection procedures followed according to 265.403?	1				
5.	Are the special requirements fulfilled for ignitable or reactive wastes?	4/4		· 		
6.	Are incompatible wastes treated? (If yes, 265.17(b) applies.)				• · · · · · · · · · · · · · · · · · · ·	on the second of
	is a hazardous waste where such waster 402 or 307(b) of the Clean Water Act tanks, transport vehicles, vessels, or hazardous only because they exhibit the or are listed as hazardous wastes in School Complete this section if the owner or chazardous waste that is subsequently shadisposal.	(33 U.: r conti he cor Subpart IX operato	S.C. ainer rosiv t D c	1251 et rs which vity cha of 40 CF	seq.) and (2) neut neutralize wastes racteristic under 4 R Part 261 only for facility also gener	ralization which are O CFR §261.2 this reason
	1. MANIFES	T REQU	JIREM	ENTS		
	d	Yes	No	NI*	Remarks	
(A)	Does the operator have copies of the manifest available for review?	<u> </u>			**	
(B)	Do the manifest forms reviewed contain the following information: (If possible, make copies of, or record information from, manifest(s) that do not contain the critical elements)			į	· · · · · · · · · · · · · · · · · · ·	
	1. Manifest document number?	<u>J</u> _			:	· ;
	 Name, mailing address, telephone number, and EPA ID Number of Generator 					

	3.	Name and EPA ID Number of Transporter(s)?	<u> </u>				
	4.	Name, address, and EPA ID Number of Designated permitted facility and alternate facility?	<u> </u>				
	5.	The description of the waste(s) (DOT shipping name, DOT hazard cland) not identification number)?	ss, J		<u>.</u>		
	6.	The total quantity of waste(s) and the type and number of containers loaded?	<u></u>	• 12* 71 .	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
	7.	Required certification?	<u> </u>				:
	8.	Required signatures?	<u> </u>	_			
(C)		s the owner or operator submit eption reports when needed?		!	Me	mansally has ,	ut had any exercises to
		2. PRE-TRANS	SPORT REQ	UIRE	MENTS	dots	
(A)	with (Req	vaste packaged in accordance n DOT Regulations? quired prior to movement of ordous waste off-site)	<u> </u>				
(B)	in a conc (Req	waste packages marked and labeled coordance with DOT regulations erning hazardous waste materials? uired to movement of hazardous e off-site)	<u> </u>			4	.2
(C)		equired, are placards available ransporters of hazardous waste?					

Yes

No

NI*

Remarks

VI. RECORDKEEPING and REPORTING (Part 262, Subpart D)

	•		Yes	No	NI*	Remarks	
(A)	Excep resul	anifests, Annual Reports, tion Reports, and all test ts and analyses retained for ast three years?	<u>J</u>				
(B)	Annua 1	ne generator submitted I Reports and Exception Ls as required?		 			· · · · · · · · · · · · · · · · · · ·
		VII. INTERNA (Part 262	TIONAL Subj	_ SHIP part E	MENTS)		· *
		e installation imported ported Hazardous Waste?		<u>J</u>			
		(If answered Yes, complete the f	ollowi	ng as	applic	able.)	
		porting Hazardous waste, s a generator:		·			
	a.	Notified the Administrator in writing?					
	b.	Obtained the signature of the foreign consignee confirming delivery of the waste(s) in the foreign country?					
	c.	Met the Manifest requirements?					
		oorting Hazardous Waste, the generator:					
		Met the manifest requirements?					
						•	

REMARKS

Use this section to briefly describe site activities observed at the time of the inspection. Note any possible violations of Interim Status Standards.

MONSANTO APPEARED to DE in GENERAL Compliances
At the time of the inspection. The Nutral deficiences of the 3/27/91 -125 pection (265.16 (d) () -(3),265.52(c) = 265.53(b)) HAVE BEEN CORRECTED, É incorpuented into Company's RECORDS.

- Note should be made that a Choule planwith cost estimation & proof of Financial Responsibility has been submitted to the U.S.EPA. HUNEAR W. G. KRummeich's plan was submitted in a package of other monsorto's facility plans to U.S.EPA HOOKS. IN REGILA VII KANSAS City Rother than Region I Chao ? IEPO/Spfd.